PIPELINE INTERSTITIAL MONITORING AGREEMENT

4/20/2005

For each facility where interstitial monitoring is used for pressurized piping leak detection, tank owners must certify that all conditions listed below have been met. If **all** applicable boxes are not checked, interstitial monitoring (or sump sensors) may not be used for pressurized piping at this facility.

For ALL forms of Interstitial monitoring of pressurized piping, the following must be verified:

- ☐ All product piping is contained within secondary containment conduit piping and containment sumps.
- ☐ The system is designed and installed so that if there is a breach in the primary piping, any released product will be fully contained in secondary containment where product loss can be detected.
- ☐ Sumps must be properly maintained and any water or debris that interferes with the proper operation of the interstitial release detection system must be promptly removed.
- ☐ The system must be designed and operated so that a release is detected prior to any product leaving the secondary containment system, or fully contained so that it does not leave the secondary containment system.
- ☐ An independent means of catastrophic line leak detection (such as line mechanical or electronic line leak detectors) must also be used with pressurized piping in addition to interstitial monitoring (such as sump sensors)
- ☐ A monthly record indicating the leak detection condition must be created. This record must indicate the date of the inspection, the individual performing the inspection, and if a release has occurred.
- ☐ On all new installations, fittings, flanges, seals, entry boots and sumps must be properly installed and maintained to prevent leakage from the containment sumps. Sealants used in the installation must be compatible with the product stored.

When sump sensors are used for interstitial monitoring of pressurized piping the following must also be verified:

- ☐ Sensors must be placed at the **lowest point** in the secondary containment where liquid can accumulate. If only one sump sensor is installed in a commonly connected system the sensor must be placed in the lowest part of the system.
- ☐ An annual functional test must be performed for each sensor and results documented in accordance with the manufacturer's specifications and maintained for one year. (If manufacturer does not recommend testing of the sensors, a manufacturer's statement stating that must be on site and available for inspection.)
- ☐ If the sensors are self-diagnosing, a monthly record must be produced either by the ATG indicating the operational status at each sensor (sensor status report), or a manually created record or log indicating that each sensor has been physically (visually) inspected on a monthly basis and found to be operable.
- ☐ If sump sensors become inoperable for any reason, another means of piping release detection must be used. Any time a sensor is found to be non-functional or operating improperly it must be repaired or replaced within 72 hours.

If the required site conditions cannot be documented, or the monthly record not created, then an annual line tightness test must be conducted or another means of monthly monitoring for pressurized piping must be used at this facility.

By checking the boxes, I understand and agree to all the conditions for using interstitial monitoring and/or sump sensors for pressurized piping. Failure to operate the monitoring system in compliance with this user agreement may result in the UST Division's denial of approval for use of this system.

_____ _____

Signature of Owner date Print or Type Name of Facility Owner / Title

_____ _____-_____

FACILITY NAME FACILITY ID NUMBER

STATE OF_____ COUNTY OF _____ witness my hand and official seal, this _____day of

Before me personally appeared _____AD_____

_____ _____

Notary Public

who executed this instrument for the purposes therein expressed.

My commission expires _____